

WHAT IS CLAIMED IS

1. A liquid cartridge comprising:

a container having a liquid supply port connectable to a flowing path communicating with a recording head;

5 a memory storing therein data on liquid housed in the container; and

a communication unit provided on a wall opposed to a wall in which said liquid supply port is formed, and including an antenna portion in which at least a
10 rectangular conductive pattern is formed, which communicates the data in said memory to the recording apparatus by radio.

2. The liquid cartridge according to Claim 1, wherein
15 said container comprises a bottomed-box type container having said liquid supply port, and a lid member sealing an opening portion of said container body; and said antenna portion is provided so as to occupy at least 70% of one wall surface region of said container body.

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3. The liquid cartridge according to Claim 1, wherein said antenna portion is formed with a conductive pattern constituting an antenna on a base body.

25 4. The liquid cartridge according to Claim 1, wherein

said antenna portion is formed with a conductive pattern constituting an antenna on a base body and by mounting said memory.

5 5. The liquid cartridge according to Claim 1, wherein said antenna portion is formed with a conductive pattern constituting an antenna on a base body and by mounting said memory and a detection unit detecting an amount of said liquid on said base body.

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6. The liquid cartridge according to Claim 5, wherein an expansion part is formed at one end of said base body, and said detection unit is mounted on said expansion part.

15 7. The liquid cartridge according to Claim 1, wherein said container is formed so that a width thereof is different according to a kind of the liquid, and another antenna portion of the same specification is provided on a wall opposed to a wall of said container on which
20 said liquid supply port is formed.

8. The liquid cartridge according to Claim 1, wherein a recess is formed in a region where said antenna portion is arranged, and the antenna portion is housed in said
25 recess.

9. The liquid cartridge according to Claim 8, wherein said recess is formed so that a depth thereof is larger than a thickness of said antenna portion.

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10. The liquid cartridge according to Claim 1, wherein a protective cover material is stuck onto at least an upper surface of said antenna portion.

10 11. The liquid cartridge according to Claim 3, wherein said antenna portion is formed of a conductive layer formed on a rectangular base body, said conductive layer having rectangular and at least one spiral pattern.

15 12. The liquid cartridge according to Claim 1, wherein a lever supporting an attachment operation is provided on at least one wall surface.